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PTO/SB/21 (02-04)

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/768,260	
	Filing Date	1/30/2004	
	First Named Inventor	Balaban, David J.	
	Art Unit	Unknown	
	Examiner Name	Unknown	
Total Number of Pages in This Submission	8	Attorney Docket Number	3068.5B

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): -1449 form (5 pages) -41 references -Return postcard
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Wei Zhou , Reg. No. 44,419		
Signature			
Date	6-15-04		

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Christopher King		
Signature		Date	6/16/2004

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PATENT
Attorney Docket No. 3068.5B

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants Balaban, David J.
Serial No: 10/768,260
Filing Date: 1/30/2004
Title: **Method and Apparatus for
Providing an Expression-
Mining Database**

Examiner: Unknown

Group Art Unit: Unknown

INFORMATION DISCLOSURE
STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR § 1.56, § 1.97 and § 1.98, the documents listed on the accompanying U.S. Patent & Trademark Office's Modified Form-1449 are called to the attention of the Examiner for consideration in connection with the above-identified patent application.

Citation of these documents shall not be construed as (1) an admission that the documents are necessarily prior art with respect to the instant invention; (2) a representation that a search has been made; or (3) an admission that the information cited herein is, or is considered to be, material to patentability in any way, including that as defined in § 1.56(b).

Applicants believe that no fee is required for submission of this statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby

authorized to charge the required fees to Account No. 01-0431 in order to have this
Information Disclosure Statement considered.

Dated: 6-15-04

Respectfully submitted,

A handwritten signature in black ink, appearing to be 'Wei Zhou', written in a cursive style.

Wei Zhou

Reg. No. 44,419

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dPTO/SB/08a (08-03)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 Of 5

Complete If Known

Application Number	10/768,260
Filing Date	1/30/2004
First Named Inventor	Balaban, David J.
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	3068.5B

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1	US- 4,683,202	07-28-1987	Mullis	
	2	US- 5,143,854	09-01-1992	Pirrung et al.	
	3	US- 5,206,137	04-27-1993	Ip et al.	
	4	US- 5,364,759	11-15-1994	Caskey et al.	
	5	US- 5,371,671	12-06-1994	Andersen et al.	
	6	US- 5,445,934	08-29-1995	Fodor et al.	
	7	US- 5,492,806	02-20-1996	Drmanac et al.	
	8	US- 5,524,070	06-04-1996	Shin et al.	
	9	US- 5,525,464	06-11-1996	Drmanac et al.	
	10	US- 5,571,639	11-05-1996	Hubbell et al.	
	11	US- 5,571,639	11-05-1996	Hubbell et al.	
	12	US- 5,593,839	01-14-1997	Hubbell et al.	
	13	US- 5,593,839	01-14-1997	Hubbell et al.	
	14	US- 5,632,282	05-27-1997	Hay et al.	
	15	US- 5,642,936	07-01-1997	Evans	
	16	US- 5,667,972	09-19-1997	Drmanac et al.	
	17	US- 5,695,940	12-19-1997	Drmanac et al.	
	18	US- 5,700,637	12-23-1997	Southern	
	19	US- 5,707,806	01-13-1998	Shuber	
	20	US- 5,777,888	07-07-1998	Rine et al.	
	21	US- 5,800,992	09-01-1998	Foder et al.	
	22	US- 5,813,002	09-22-1998	Agrawal et al.	
	23	US- 5,819,282	10-06-1998	Hooper et al.	
	24	US- 5,832,182	11-03-1998	Zhang et al.	
	25	US- 5,843,669	12-01-1998	Kaiser et al.	
	26	US- 5,843,767	12-01-1998	Beattie	
	27	US- 5,856,101	01-05-1999	Hubbell et al.	
	28	US- 5,871,697	02-19-1999	Rothberg et al.	
	29	US- 5,871,928	02-16-1999	Foder et al.	
	30	US- 5,899,992	05-04-1999	Iyer et al.	
	31	US- 5,925,525	07-20-1999	Fodor et al.	
	32	US- 5,930,803	07-27-1999	Becher et al.	
	33	US- 5,933,818	08-03-1999	Kasravi et al.	
	34	US- 5,933,821	08-03-1999	Matsumoto et al.	
	36	US- 5,960,435	09-28-1999	Rathmann et al.	
	36	US- 5,961,923	10-05-1999	Nova et al.	

Examiner
SignatureDate
Considered

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

Of 5

Complete if Known

Application Number	0/768,260
Filing Date	1/30/2004
First Named Inventor	Balaban, David J.
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	3068.5B

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	37	US- 5,974,164	10-26-1999	Chee	
	38	US- 5,977,890	11-02-1999	Rigoutsos et al.	
	39	US- 5,991,766	11-23-1999	Sadiq et al.	
	40	US- 5,999,192	12-07-1999	Selfridge et al.	
	41	US- 6,032,151	02-29-2000	Arnold et al.	
	42	US- 6,040,138	03-21-2000	Lockhard et al.	
	43	US- 6,046,002	04-04-2000	Davis et al.	
	44	US- 6,060,240	05-09-2000	Kamb et al.	
	45	US- 6,140,054	10-31-2000	Wittwer et al.	
	46	US- 6,185,561	02-06-2001	Balaban et al.	
	47	US- 6,188,783	02-13-2001	Choobin	
	48	US- 6,472,520	10-29-2002	Fisher	
	49	US- 6,573,039	06-03-2003	Dunlay et al.	
	50	US- 6,600,996	07-29-2003	Webster et al.	
	51	US- 6,618,852	09-09-2003	Van Eikeren et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	1	EP - WO 0 235 726	05-10-1989			
	2	EP - WO 0 307 476	03-22-1989			
	3	EP - WO 0 392 546	10-17-1990			
	4	EP - WO 0 717 113	07-17-1996			
	5	EP - WO 0 848 067	06-17-1998			
	6	WO - WO 89-11548	11-30-1989			
	7	WO - WO 90-11548	11-30-1989			
	8	WO - WO 90-15070	12-13-1990			
	9	WO - WO 92-10092	06-25-1992			
	10	WO - WO 92-10588	06-25-1992			
	11	WO - WO 93-22456	11-11-1993			
	12	WO - WO 95-11995	05-04-1995			
	13	WO - WO 96-23078	08-01-1996			
	14	WO - WO 97-10365	03-20-1997			
	15	WO - WO 97-17317	05-15-1997			

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Substitute for form 1449A/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	0768,260
		Filing Date	1/30/2004
		First Named Inventor	Balaban, David J.
		Art Unit	Unknown
		Examiner Name	Unknown
(Use as many sheets as necessary)		Attorney Docket Number	3068.5B
Sheet	3	Of	5

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	16	WO - WO 97-19410	05-29-1997			
	17	WO - WO 97-27317	07-31-1997			
	18	WO - WO 97-29212	08-14-1997			

Examiner Signature		Date Considered	
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Substitute for form 1449B-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number	0/768,260	
			Filing Date	1/30/2004	
			First Named Inventor	Balaban, David J.	
			Art Unit	Unknown	
			Examiner Name	Unknown	
Sheet	4	of	5	Attorney Docket Number	3068.5B

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.	T ²
	1	ADAMS et al., "Complementary DNA Sequencing: Expressed Sequence Tags and Human Genome Project", <u>Science</u> , Vol. 252, No. 5013, 1995, pps. 1651-1656.	
	2	ALLEE, "Data management for Automated Drug Discovery Laboratories", Laboratory Robotics and Automation, Aug. 21, 1996, pp. 307-310.	
	3	DATE, "Introduction to Database Systems—Chapter 4, An overview of DB2", 1990, pp. 111-116.	
	4	DRMANAC, "Sequencing of Megabase Plus DNA by Hybridization: Theory of the Method", <u>Genomics</u> , 4:114-128 (1989).	
	5	FICKETT et al., "Development of a Database for Nucleotide Sequences", <u>Mathematical Methods for DNA Sequences</u> , 1989, pps. 2-34.	
	6	FRENKEL, "The Human Genome Project and Informatics: A Monumental Scientific Adventure", <u>Communications of the ACM</u> , pp. 40-52.	
	7	GIBBS et al., "Detection of single DNA base differences by competitive oligonucleotide priming", <u>Nucleic Acid Res.</u> , Vol. 17, No. 7, 1989, pps. 2437-2448.	
	8	GUATELLI et al., "Isothermal, In Vitro Amplification of Nucleic Acids by a Multienzyme Reaction Modeled After Retroviral Replication", Proc. Natl. Acad. Sci USA, 85(5):1874-1878 (1990).	
	9	GUSELLA, "DNA Polymorphism and Human Disease", Annu. Rev. Biochem., 55:831-854 (1986).	
	10	HARA et al., "Subtractive cDNA cloning using oligo(dT)30-latex and PCR: isolation of cDNA clones specific to undifferentiated human embryonal carcinoma cells", Nucleic Acid Res., Vol. 19, No. 25, 1991, pps. 7097-7104.	
	11	IntelliGenetics Suite™, Release 5.4, Advanced Training Manual, January 1993, pps. 1-6, 1-19, 2-9 and 2-14.	
	12	KERLAVAGE, Anthony R., et al., "Data management and Analysis for High-Throughput DNA Sequencing Projects", IEEE Engineering In Medicine and Biology, Nov.-Dec. 1995, pp. 710-717.	

Examiner Signature		Date Considered	
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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			Application Number	0768,260	
			Filing Date	1-30-2004	
			First Named Inventor	Balaban, David J.	
			Art Unit	Unknown	
			Examiner Name	Unknown	
Sheet	5	of	5	Attorney Docket Number	3068.5B

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.	T ²
	13	KHAN et al., "Single pass sequencing and physical and genetic mapping of human brain cDNAs", <u>Nature Genetics</u> , Vol. 2, November 1992, pps. 180-185.	
	14	KWOH et al., "Transcription-Based Amplification System and Detection of Amplified human immunodeficiency Virus Type 1 with a Bead-Based Sandwich Hybridization Format", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 86, No. 4, 1989, pps. 1173-1177.	
	15	LANDEGREN et al., "A Ligase-Medicated Gene Detection Technique", <u>Science</u> , Vol. 241, No. 4869, 1988, pps. 1077-1080.	
	16	MATSUBARA et al., "Identification of New Genes by Systematic Analysis of cDNAs and Database Construction", <u>Curr. Opin. Biotechnol.</u> , Vol. 4, No. 6, 1993, pps. 672-677.	
	17	MATTILA et al., "Fidelity of DNA Synthesis by the Thermococcus Litoralis DNS Polymerase—An Extremely Heat Stable Enzyme with Proofreading Activity", <u>Nucleic Acids Res.</u> , Vol. 9, No. 18, 1991, pps. 4967-4973.	
	18	OKUBO et al., "Large Scale cDNA Sequencing for Analysis of Quantitative and Qualitative Aspects of Gene Expression", <u>Nature Genetics</u> , Vol. 2, 1993, pps. 173-179.	
	19	ORITA et al., "Detection of polymorphisms of human DNA by gel electrophoresis as single-strand conformation polymorphisms", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 86, April 1989, pps. 2766-2770.	
	20	PR Newswire, "Gene Logic to Use Affymetrix GeneChip Array to Build Gene Expression Database Products", January 11, 1999.	
	21	SAIKI et al., "Analysis of Enzymatically Amplified Beta-Globin and HLA-DQ Alpha DNA with Allele-Specific Oligonucleotide Probes", <u>Nature</u> , Vol. 324, No. 6093, 1986, pps. 163-166.	
	22	WU et al., "The Ligation Amplification Reaction (LAR)—Amplification of Specific DNA Sequences Using Sequential Rounds of Template-Dependent Ligation", <u>Genomics</u> , Vol. 4, No. 4, 1989, pps. 560-569.	
	23	ZHAO et al., "High-density cDNA filter analysis: a novel approach for large-scale, quantitative analysis of gene expression", <u>Gene</u> , Vol. 156, 1995, pps. 207-213.	

Examiner Signature	Date Considered
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